Before the FEDERAL COMMUNICATIONS COMMISSION Washington, D.C. 20554

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In the Matter of)	OFFICE OF THE SCORETULY
Amendment of Part 95 of the)	WT Docket No. 98-169
Commission's Rules to Provide)	RM-8951
Regulatory Flexibility in the 218-219 MHz Service)	

To: The Commission

REPLY COMMENTS OF IVDS COALITION

Filed by:

Walter Steimel, Jr.
Marjorie K. Conner
Ted J. Murphy
HUNTON & WILLIAMS
1900 K Street, N.W.
12th Floor
Washington, D.C. 20006
(202) 955-1500

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Summary of Comments

In this proceeding, the Commission has proposed a number of changes to its regulations governing 218-219 MHz service. These changes are intended to grant 218-219 MHz licensees relief from unnecessarily restrictive regulations and to provide them with the freedom necessary to respond to market forces and opportunities. The IVDS Coalition (the "Coalition"), an *ad hoc* coalition of auction licensees is generally supportive of the Commission's proposal but urges the Commission to go further. Indeed, in light of the highly checkered, fraud-marred history of 218-219 MHz auctions, much of the blame for which is directly attributable to the Commission, the Coalition asserts that the Commission has a non-discretionary obligation to afford additional relief to auction licensees. Failing to provide such relief would be arbitrary, capricious and an abuse of discretion.

Turning to the Commission's specific proposals, the Coalition agrees with those Commenters that support the Commission's proposal to allow licensees to choose to be treated as either PMRS or CMRS services. It rejects as unduly discriminatory, however, the Commission's proposal to require 218-219 MHz providers to specifically identify which type of service they will provide.

The Coalition backs those commenters that support the Commission's proposal to extend auction licensees' license terms from five years to ten and to permit a corresponding reamortization of principal and interest payments over the ten year term. The Coalition further asks the Commission to delay the commencement of installment period under the reamortization plan for six months and to allow interest on the principal balance to be calculated on the basis of the ten-year U.S. Treasury rate as of the date that a final Report and Order is issued in this proceeding.

Building on suggestions made by a number of commenters, the Coalition requests that the Commission adopt a more comprehensive amnesty plan for all auction licensees that made their original down payments. Such licensees should be allowed to surrender their licenses and undo the auction with a minimal penalty. Moreover, the Commission should allow auction licensees a special window of opportunity to buy defaulted licenses before reauctioning them and permit such licensees to take full advantage of small business bidding credits if a reauction is held.

The Coalition generally agrees with those Commenters that support the Commission's proposed technical changes and changes in service and construction requirements. The Coalition rejects the specious claims made by some commenters suggesting that 218-219 MHz service creates interference with TV Channel 13 that necessitates special regulatory treatment.

The Coalition joins with the many Commenters that support the Commission's proposal to allow free aggregation, disaggregation and partitioning of existing auction licenses.

Finally, the Coalition agrees with those commenters that urge the Commission not to use this proceeding to confer undeserved benefits on lottery licensees. Unlike auction licensees, lottery licensees paid essentially nothing for their licenses. The Commission should allow all lottery licenses to expire at the end of their original five year terms and reuction them.

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REPLY COMMENTS OF IVDS COALITION

IVDS Coalition (the "Coalition"), by its attorneys, hereby submits its reply comments on the *Notice of Proposed Rulemaking* issued in the above-captioned proceeding (the "NPRM").

I. The Members of the Coalition will be Affected Directly by The Rules Adopted in this Proceeding.

The Coalition is an *ad hoc* coalition of 218-219 MHz licensees¹ all of whom became licensees as a result of their participation in the IVDS auctions of July 28

IVDS Coalition is comprised of Frances S. Lyles, Joanne Hartley, Two-Way TV, One Number Infomation Systems, Inc., SBM Holdings, Wireless Express and Red Hot Radio. Every member of the IVDS Coalition was a "designated entity" pursuant to the criteria set forth in *Implementation of Section 309(j) of the Communications Act -- Competitive Bidding*, PP Docket No. 93-253, Fourth Report and Order, 9 FCC Rcd 2330, 2336-2340 (Defining and describing benefits afforded to "designated entities.") (1994), *i.e.* they were, and are, small businesses or minority/female owned businesses.

and 29, 1994. As a licensee in the 218-219 MHz service, each member of the Coalition will be affected directly by the rules adopted through this proceeding. The *NPRM* proposes wholesale changes in the Commission's regulatory treatment of 218-219MHz service licensees. While the Coalition appreciates and generally supports the proposed changes in the rules, it submits that, in light of the uniquely convoluted history of 218-219 MHz service, the proposed changes do not extend sufficient relief to restore and encourage the growth of the 218-219 MHz industry. The Coalition urges the Commission to expand the relief proposed, as described herein, to encourage the growth of the 218-219 MHz industry to its full potential.

II. The Coalition Generally Supports the Proposed Rules.

The Coalition generally supports the Commission's goal of "maximiz[ing] the efficient and effective use of the 218-219 MHz Service" by providing, "maximum flexibility for 218-219 MHz service licensees, and a regulatory structure that will enable [licensees] to meet the public's current and future needs through the most technically and economically efficient use of the spectrum practicable." NPRM at (\P 1, 31). The Coalition agrees with the substantial majority of Commenters who support the Commission's proposal to lift the needlessly restrictive technical regulations that have stymied the development of 218-219 MHz service. With most of the Commenters, the Coalition urges the

Commission to allow market forces to operate. See, e.g., Comments of the Bay

Area 218-219 MHz Group ("Bay Area"), at 3-4; Comments of ITV, Inc. and IVDS

Affiliates, L.L.C. ("ITV/IALC"), at 3-5.

The Coalition also agrees with the many Commenters that urged the Commission to recognize the extraordinary mistakes made and abuses wrought by the two previous Commission administrations in the implementation and administration of the IVDS auctions. The members of the Coalition were actively encouraged and enticed, to participate in the IVDS auctions. This Commission should not punish the Coalition's members for structural defects and gross frauds for which they were in no way responsible. Instead, as other Commenters have suggested, the Commission should go beyond the *NPRM* proposals and take full advantage of this opportunity to rectify the past by granting additional relief to aggrieved auction licensees, such as the members of the Coalition. *See, Comments of MKS Interactive, Inc.* ("MKS"), at 3²; Comments of Boston Spectrum

Associates, L.L.C. and Houston Spectrum Associates, L.L.C. ("BSAL/HSAL"), at 1-

The pages in the *Comments of MKS* are not numbered. Accordingly, for convenience's sake, citations to those comments will refer to pages within the "Comments" portion of MKS's filing (*i.e.* introductory and background pages will be excluded from the page count.)

7; Bay Area at 4-6; Comments of Commercial Realty St. Pete, Inc. ("CRSPI"), at 2-6.

The history of IVDS is unprecedented. It is rife with missteps and outright fraud. These unquestionably unique circumstances warrant expansion of the relief proposed in the *NPRM*. Expansion of the relief, as suggested by various Commenters and supported by the Coalition, will not conflict with any other authorized service. Grant of the relief proposed herein also will not set precedent for amending auction results in any other service. The Commission has been embarrassed by the IVDS auction results and certainly has learned significant lessons in the conduct of spectrum auctions from the IVDS fiasco.

One significant lesson the Commission has learned is evidenced by footnote 8 in the *NPRM*. In footnote 8, the Commission states, in part, that "the Commission makes no representations or warranties about the use of this spectrum for particular services." In stark contrast to the statement in footnote 8, the Commission, in its 1994 publication entitled "Welcome to the Auction," referred to IVDS as the "access ramp to the information superhighway." It also boldly pronounced that "IVDS technologies will have a major impact on our society in the 21st century." The Commission also proclaimed that "IVDS services may include home banking and home shopping with television viewer interaction in

real time." Other glowing statements of promise and praise were made by the Commission and its then-Chairman, Reed Hundt, at many other times as outlined in the various Comments.³

Now, the Commission carefully cautions potential bidders that an FCC license does not "constitute a guarantee of business success," and urges licensees to "perform their individual due diligence before proceeding as they would with any new business venture."

After the auction, when problems with the availability of equipment or applications were identified, the FCC stated that the licensees should have undertaken due diligence.⁴ The current Commission must consider these earlier *post-hoc* admonishments in light of the unusual circumstances surrounding the implementation of IVDS.⁵

³ *BSAL/HSAL* at 5-6; CRSPI at 13-14.

⁴ Requests for Waiver in the First Auction in the Interactive Video and Data Service ("IVDS") Licenses, 11 FCC Rcd 8211, 8213 (1996).

The Coalition notes, with serious concern, that the Chairman of the FCC at the time of the IVDS auctions was Reed Hundt. Prior to joining the Commission, Mr. Hundt, was a partner with the law firm of Latham & Watkins. Latham & Watkins provided counsel to EON Corporation, the company which sponsored the development of IVDS. Without question, the Chairman played a substantial role in the initiation of the IVDS licensing regime. Latham & Watkins also played a substantial role in the initial authorization of IVDS. At no time did Mr. Hundt disclose his close and personal relationship with EON. The Coalition finds this potential conflict of interest noteworthy and suggests that the Commission may (continued...)

IVDS was a new service. It was touted by the Agency and its proponents as a new wave of technology, sure to be the onramp to the communications super highway. As of the date of the auction, only two devices, a CTS and an RTU, had received type acceptance from the Commission. The type acceptances for the CTS and the RTU were issued to EON Corporation on March 1, 1994. EON request and received confidential treatment for the "theory of operation, block diagrams, list of active devised, alignment procedures, technical specifications and schematics" set forth in its type acceptance applications.⁶ Any other applications for type acceptance of equipment to operate IVDS stations would have been unavailable for inspection or due diligence review by potential bidders under the Commission's rules concerning confidentiality of type acceptance applications.⁷

Bidders at the IVDS auction, therefore, were able only to observe the demonstrations provided by the proponents of the service. IVDS bidders were not able to review the type-acceptance applications to ascertain independently that the equipment could perform the advertised functions. Because of the Commission's

wish to investigate whether the relationship led to the fiasco that IVDS has become. CRSPI at Attachment A, at 3, 14-16.

See Letters from Julius P. Knapp to EON Corporation, dated March 3, 1994 and September 8, 1994, attached hereto as Attachments 1 and 2.

⁷ Section 0.457(d)(1)(ii) of the Commission's rules, 47 C.F.R. § 0.457(d)(1)(ii).

duly secretive type-acceptance process, no amount of due diligence possibly could have signaled the problems that IVDS licensees would experience.

Now, some four years after the IVDS auction, EON, for all practical purposes, no longer exists. It burned through roughly 40 million dollars attempting to create IVDS equipment and essentially disappeared. The Coalition, like other Commenters, was surprised and dismayed at EON's disappearance after its strong influence on the Commission led the Agency to importune them to participate in the IVDS auctions.

In short, given the staggeringly long and varied series of questionable influences, misjudgments, errors, delays and outright frauds that characterized the IVDS auction, it would be arbitrary and capricious and an abuse of discretion under Section 706(2)(a) of the Administrative Procedure Act ("APA"), 47 U.S.C. § 706(2)(a), if the Commission failed to do everything possible in this proceeding to make 218-219 MHz licensees whole. Although federal agencies are entitled to presumptions of administrative regularity, integrity and good faith these presumptions are rebuttable and agency actions may be overturned when they are tainted by fraud or driven by considerations other than the public interest. 8 The

For example, in Woods Petroleum Corp. v. U.S. Dep't of the Interior, 18 F. 3d 854 (10th Cir. 1994), the court rejected an agency's pretextual justification for (continued...)

Commission's unduly solicitous concern for the interests of companies like EON and its adoption of auction procedures designed to extract as much revenue from IVDS auction participants as possible, also contravened the APA because they are also inconsistent with the goals Congress set forth when it authorized the Commission to conduct spectrum auctions in the first place.⁹

Moreover, when the government allocates benefits or rights to government owned property through a bidding process the bidders participating in the allocation process have a right to a "legally valid procurement process." The Commission clearly failed to conduct the IVDS auction as a legally valid process, in light of the myriad improprieties and defects afflicting the IVDS auction

its action, which masked an illegitimate, ulterior motive, and reversed the Agency's decision.

See, Section 309(j)(3) of the Communications Act of 1934, as amended, 47 U.S.C. § 309(j)(3). Specifically, Congress sought to foster the "development and rapid deployment" of new communications technologies and to "disseminat[e] licenses among a wide variety of applicants" including those small businesses and minority or female owned enterprises that the FCC formerly termed "designated entities." 47 U.S.C. § 309(j)(3)(A)&(C). By allowing the 218-219 MHz auction process to turn into an utter, and infamous, fiasco the Commission has thwarted the will of Congress, frustrated the development of 218-219 MHz service, and discouraged future efforts by small businesses and female or minority owned enterprise to participate in the telecommunications marketplace.

process. When considering auctions generally, courts have found that auctioneers have a duty not to commit misrepresentations or knowingly conceal information that would indicate a fraud is taking place. 11 Although the FCC is immune to tort suits based on fraud theories, it had a dual obligation to ensure its auction was conducted fairly. The Commission has a general duty to act in the public interest when establishing new services and awarding licenses.¹² As the sponsor of an auction, it undertook the duties imposed on auctioneers, generally, to refrain from inaccurate claims about the subject of the auction. In considering its charge as a federal agency and as an auctioneer, and in light of the fiasco the IVDS auction became, the Commission must now make auction licensees whole for losses they have suffered as a result of the mismanaged IVDS auctions. If the Commission fails to honor this obligation, many auction licensees may seek redress through actions seeking judicial rescission of their purchases.

National Maritime Union of America v. Commander, 824 F.2d 1228, 1237 (D.C. Cir. 1987); Varicon International v. Office of Personnel Management, 934 F. Supp. 440, 448 (D. D.C. 1996).

¹¹ See, e.g., Pelster v. Ray, 987 F.2d 514 (8th Cir. 1992).

See, e.g., Sections 303 and 309 of the Communications Act of 1934, as amended, 47 U.S.C. § § 303 and 309.

III. Specific Positions of the Coalition:

A. Licensees Should Be Allowed to Choose to Provide Service as Either PMRS or CMRS Carriers.

The Coalition joins with the overwhelming majority of Commenters that support the Commission's proposal to re-designate 218-219 MHz service as a service that can be used for either private radio ("PMRS") or common carrier ("CMRS") service at the option of the licensee. NPRM at ¶ 33; Comments of In-Sync Interactive Corporation ("In-Sync"), at 3-4; ITV/IALC at 4; Comments of Kingdon R. Hughes ("Hughes"), at 3-4.; MKS at 1. Comments of Dispatch Interactive Television Company ("DITV"), at 3; and Comments of Community Teleplay, Inc. ("CTT") at 18. There is absolutely no valid reason why 218-219 MHz licensees should not enjoy the same freedom of choice that the Commission affords to licensees of other bands that can be used to provide PMRS or CMRS service. To the contrary, providing licensees with greater flexibility will only serve to promote competition and thereby benefit the public interest.

Consistent, however, with the principle of non-discrimination, the Coalition joins with In-Sync Interactive Corporation in opposition to the Commission's proposal to require 218-219 MHz providers to specifically identify which type of service they will provide. *NPRM* at ¶ 33; *In-Sync* at 3-4. Other carriers are not subjected to such a disclosure requirements and it is difficult to understand why

the Commission would want to impose a new competitive handicap on 218-219 MHz licensees by forcing them to comply with a pointless new regulation.

Only one Commenter in this proceeding asserted that giving 218-219 MHz licensees the right to choose to provide PMRS or CMRS service would not serve the public interest. AirTouch Paging ("AirTouch") complains that the proposed revisions would "so substantially modify the character of the services that may be offered by licensees in the 218-219 MHz frequency band as to eliminate the possibility they will be used to provide the intended services and would at the same time significantly change the value of the licenses held and undermine the integrity of the auction process." *AirTouch Comments* at 3. While AirTouch fails to explain its interest in "protecting" the offering of interactive video and data services, its motives for obstructing the expansion of services to be offered by 218-219 MHz licensees is patently clear. It fears competition.

Interestingly, AirTouch has favored flexibility for carriers when that flexibility would enable it to better serve its customers. AirTouch Communications' Comments in *Implementation of the Telecommunications Act of 1996; Telecommunications Carriers' Use of Customer Proprietary Network Information and Other Customer Information*, CC Docket No. 96-115, submitted May 8, 1998, at 5; and submitted June 25, 1998, at 9. By contrast, when a

proceeding might benefit a competitor, AirTouch opposes any relaxation of requirements. In the 1998 Biennial Regulatory Review -- Testing New Technology, the Commission proposed a relaxation of the experimental licensing process, in order to encourage innovation. AirTouch cautioned that the Commission's experimental licensing processes must "continue to place the burden of proof on experimental license applicants to demonstrate (prior to commencing operations) that their operations will not cause harmful interference to incumbent operators." AirTouch Comments in 1998 Biennial Regulatory Review -- Testing New Technology, CC Docket 98-94, submitted July 21, 1998, at 3-4. In any given situation, AirTouch weighs in on the side of the competition issues which protects its narrow business interest -- rather than the public interest. Accordingly, the Coalition urges the Commission to ignore Air Touch's selfserving, anti-competitive comments. Instead, the Commission should favor competition and adopt the proposed rule which would enable licensees in the 218-219 MHz band sufficient flexibility to adapt to consumer needs.

B. Extension of License Terms and Amortization Periods to Ten Years

The Coalition supports the position taken by ITV/IALC and other

Commenters in favor of the *NPRM*'s proposal to extend the term of licenses

awarded by auction from five to ten years and to permit a corresponding re-

amortization of principal and interest payments over the remainder of the ten year term. *See, NPRM* at 21-22, *ITV/IALC* at 6-8. Moreover, the commencement of installment payments pursuant to the re-amortization should be delayed for a sixmonth period to provide licensees a badly needed opportunity to take stock of the Commission's regulatory revisions and to obtain new capital.

ITV/IALC additionally proposes that interest on the principal balance be calculated based on the ten-year U.S. Treasury rate as of the date of the adoption of rules pursuant to the *NPRM*.¹³ The Coalition supports ITV/IALC's proposal to calculate interest based on the rate as of the date of adoption of the new rules for all the reasons cited in ITV/IALC's Comments. Additionally, setting the rate as of the date of re-amortization is consistent with usual and customary commercial practices, will facilitate new financing, and is ultimately fair to the Commission, the U.S. Treasury and to the 218-219 MHz Licensees. As notes have never been issued, the notes should bear the intent rate applicable on date of issuance.

For purposes of comparison, the Coalition provides a chart setting forth the varying 5-year Tables of Treasury Security rates for a five and ten year period are also attached. Treasury Security rates, on a monthly basis, since January, 1995. The chart is the copyrighted work of Mortgage-X and is attached hereto as Attachment 3.

C. The Coalition Supports an Equitable Amnesty Plan.

The Coalition supports a hybrid amnesty plan which combines the best and fairest elements of the proposal introduced by other Commenters. See, MKS at 1-2; ITV/IALC at 8; Comments of Richard L. Vega ("Vega") at 1; and Bay Area at 5 The technical defects, lengthy delays, and rampant fraud, that plagued the IVDS auctions rendered them uniquely suspect and oblige the Commission to provide full amnesty for licensees, such as the members of the Coalition, that were injured. Certainly, the Commission's amnesty program for 218-219 MHz licensees should not be less favorable to licensees than other amnesty plans the Commission has developed. MKS at 3.

Any amnesty proposal should allow licensees in the 218-219 MHz service to surrender their licenses and undo the auction with minimal penalty. The Coalition urges the Commission to adopt MKS' proposal to allow auction licensees to surrender their licenses and pay a one-time penalty of two thousand five hundred dollars (\$2500), which is equal to the amount of the initial up front payment required to participate in the auction, instead of the *NPRM's* proposed ten percent forfeiture. All payments a licensee has made in excess of \$2500 should be immediately refunded with interest. *MKS* at 2.

This amnesty should be available to all auction licensees that made their originally required down payments. In light of the difficulties that have plagued this proceeding, particularly those associated with the definition and administration of the various "grace period" proposals, it would be manifestly unfair, an abuse of discretion and arbitrary and capricious to discriminate against licensees that made their initial down payments. MKS at 2-3; ITV/IALC at 8; Vega at 1; Bay Area at 5.

The Coalition also supports In-Sync Interactive Corporation's proposal that the re-auction of surrendered licenses be conducted consistent with the recently modified auction rules set forth in Part 1 of the Commission's rules and regulations. *In-Sync* at 15. Pursuant to these rules small and very small businesses would enjoy a bidding credit. *In-Sync* at 16. In addition, the Coalition supports In-Sync's recommendation that bidders who already hold 218-219 MHz licenses, and their affiliates, be afforded a 15 percent bidding credit. Such a credit would

The Coalition understands that in light of the Supreme Court's decision in Adarand Constructors, Inc. v. Pena, 515 U.S. 200 (1995) and the subsequent decision of the United States Court of Appeals for the District of Columbia Circuit in Graceba Total Communications, Inc. v. FCC, 115 F. 3d 1038 (D.C. Cir. 1997) the FCC will not grant bidding preferences based on race or gender in the reauction. In the interest of fairness to bidders who did not receive race- or gender-based bidding preferences in the July, 1994 auctions the Coalition suggests (continued . . .)

acknowledge the difficulties 218-219 MHz licensees have experienced as a result of the Commission's mishandling of the July, 1994 auctions and would encourage existing licensees to integrate new markets into their established business plans.¹⁵

The Commission should not object to a full and equitable amnesty program on the ground that treating auction licensees fairly will somehow establish an unfavorable precedent or unduly complicate future spectrum auctions. The IVDS auctions were so pervasively marked by bumbling and tainted by fraud as to be *sui generis*. Considering the embarrassment they have caused and the damage they have done to the Commission's reputation the Coalition is confident that the Commission will never again run an auction with so many problems. Moreover, the Commission should keep in mind that by granting full amnesty it will not only do justice to auction participants but will also go a long way towards restoring its

that the Commission retroactively treat them as if they were and afford them a refund or credit for the appropriate amount.

The Coalition also urges the Commission to afford all auction licensees that have made down payments an exclusive ninety day window, prior to the general re-auction, during which such licensees may assume control over defaulted licenses by taking up the payment responsibilities associated with them. By so doing, the Commission will compensate surviving auction licensees for a portion of the hardship they have suffered as a result of earlier Commission negligence, raise money more quickly than it otherwise would, and preserve the integrity of 218-219 MHz service.

tarnished reputation. By so doing it will increase the attractiveness of future auctions to future participants and thereby advance the public interest.

D. The Coalition Supports the Proposed Changes in Technical Standards, Service and Construction Requirements.

The Coalition generally agrees with the Commenters that support the NPRM's proposed technical changes and changes in service and construction ("build-out") requirements.¹⁶ In contrast to the majority of commenters, DITV raises concerns that an increase in the effective radiated power ("ERP") of the mobile RTUs, eliminating the ceiling of 100 mW, might increase the likelihood of harmful interference to TV Channel 13 operations. *DITV* at 6-7. Similarly, Radio Telecom & Technology, Inc. has suggested that 218-219 MHz service may, at least under certain circumstances, interfere with broadcasts on Channel 13. Comments of Radio Telecom & Technology, Inc. ("RTT"), at 4; Comments of Concepts To Operation, Inc, ("CTO"), at 1-4, 5-6. The Coalition submits that DITV's, RTT's and CTO's concerns are unfounded and do not justify the imposition of special anti-interference regulations on 218-219 MHz service providers that are not applicable to other types of carriers.

See, e.g., ITV/IALC at 2; DITV at 6, Comments of Interactive Services Trade Association ("ISTA") at 4.

In its comments, CTI presented a study performed by Old Dominion
University's Technology Applications Center ("TAC") which demonstrated that
operation of an RTU at a full one watt resulted in no harmful interference to TV
Channel 13 operations. *See, CTI* at *Attachment A*. Even if the TAC study did not
support an increase in the maximum ERP for mobile RTUs, Section 15.5(c) of the
Commission's rules requires all licensees to not to interfere with the operations of
other licensees, and if harmful interference occurs, the licensees must cure
interference. Section 15.5(c) applies to all licensees, including licensees in the
218-219 MHz band. Significantly, licensees in the 218-219 MHz bandwidth may
cure interference by inexpensive "skot filters" to eliminate interference.

BSAL/HSAL noted the extreme burdens arising from the 100 mW limitation. BSAL/HSAL support a ceiling of 4W. The Coalition supports BSAL/HSAL's position in this regard.

DITV's, RTT's and CTO's support for continued technical restrictions, even when the restrictions are not warranted, arises from their selfish desire to protect their own commercial interests. DITV has described its allegedly innovative equipment which operates at an ERP of less than 100 mW. RTT similarly produces equipment, which operates at an ERP of less than 100 mW. Additionally, CTO has developed equipment which would comply with the existing constraints,

but has adapted the technology to the 900 MHz bandwidth, where it is in operation.¹⁷ Increase of the power limitations would minimize sales of the DITV, RTT and CTO equipment, each of which has extremely limited application.

Additionally, the Commission must not ignore the existing higher power facilities in the 216-218 and 220-222 MHz bandwidth.¹⁸ These facilities similarly pose an interference threat to TV Channel 13, yet no limitation on ERP in those services has been imposed.

E. Aggregation, Disaggregation and Partitioning

The Coalition supports the comments submitted by *Bay Area*, *CTI* and other Commenters that ask the Commission to allow licensees to aggregate their licenses by owning both frequency "blocks" in a particular market. The Commission originally limited licensees to owning 0.5 MHz in a market to

Interestingly, several 218-219 MHz licensees hired Mr. Cohn, the principal of CTO, to assist in technological solutions to the challenges of the technical constraints and to prepare engineering exhibits for their applications. While Mr. Cohn never proposed a workable solution to those who hired him, he clearly has found a way to oppose those same licensees in the instant proceeding.

¹⁸ See Section 90.729 of the Commission's rules, 47 C.F.R. § 90.729, which allows operation of 220-222 MHz facilities up to 500 W ERP for base stations and 50 W ERP for mobile units. See also, Section 80.215 of the Commission's rules, 47 C.F.R. § 80.215, which allows operation of Maritime Services in the 216-218 MHz band up to 50 W ERP for stations within TV Channel 13 grade B contours, and grants licensees ninety (90) days to cure any allegations of harmful interference.

prevent licensees from having monopoly power over the provision of interactive television service in a particular market. There is no longer any justification for this rule given that interactive television has never emerged as a workable, or marketable, service and continues to be plagued by technical problems

Meanwhile, as several Commenters have noted, Microsoft's "Web TV" system, has rendered the entire concept of "interactive television" obsolete. See, e.g.,

BSAL/HSAL at 7; CRSPI at 2. It is therefore quite absurd to worry that 218-219

MHz licensees will exercise market power with respect to IVDS service.

There are alternative uses for the 218-219 MHZ spectrum, *e.g.* utilizing streaming video technologies to develop interactive classrooms, provide high-speed internet access, or encrypted data transmission. All of these services, however, can be provided every bit as effectively via other frequencies. Thus, 218-219 MHz licensees which use even a full MHz of bandwidth will not enjoy any sort of market power but will instead face vigorous competition from established wireless, television, cable and phone companies, all of which have greater bandwidth or capacity for transmission of communications. *See, BSAL/HSAL* at 7-8, 10. Indeed, 218-219 MHz licensees are presently at a severe competitive disadvantage because it is difficult, and perhaps impossible, to provide high speed Internet service without the ability to use a full MHz of band.

Allowing the aggregation of existing licenses will simply create a level playing field between 218-219 MHz service and other services, it will not give 218-219 MHz licensees an unwarranted, and unsought, competitive advantage.

The Coalition also joins with the many commenters that support allowing geographic partitioning and spectrum disaggregation. ¹⁹It is consistent with Section 10 of the Communications Act of 1934, as amended, 47 U.S.C. § 10, to allow licensees as much flexibility as possible in responding to market forces. If viable uses for geographic or spectrum fragments of 218-219 MHz licenses develop licensees will only be able to take advantage of them if they are free of unnecessary and artificial regulations. Removing sclerotic regulatory barriers is the only approach consistent with the public interest. ²⁰

F. Treatment of Lottery Licensees

The Coalition partially agrees with CTI's comments inasmuch as they argue that lottery licensees, who received their licenses essentially for free, have no right to be treated like auction licensees and should not be given special forbearance by the Commission. *CTI* at 7-11. The Coalition also shares CTI's view that proper utilization of those licenses originally allocated by lottery is vital to the health and

See, e.g., DITV at 5; Hughes at 8; CTI at 19; In-Sync at 11.

²⁰ See, 47 U.S.C. § 11.

development of 218-219 MHz service. Unlike CTI, however, the Coalition asks the Commission to allow all lottery licenses to expire at the end of their original five year terms and re-auction them. Conducting a re-auction is the best and most straightforward way to prevent the unjust enrichment of lottery licensees and to ensure that 218-219MHz licenses are efficiently allocated to those that value them most highly.

IV. Conclusion:

WHEREFORE, for the foregoing reasons, IVDS Coalition respectfully submits that the Commission should adopt the rule revisions proposed in the *NPRM*, with the modifications suggested in these Reply Comments.

Respectfully Submitted,

Walter E. Steimel, Ir

Marjorie K. Conner

Ted J. Murphy

Hunton & Williams

1900 K Street, N.W.

Washington, D.C. 20006

(202) 955-1588

Counsel for IVDS Coalition

November 25, 1998



FEDERAL COMMUNICATIONS COMMISSION Authorization and Evaluation Division 7435 Oakland Mills Road Columbia, MD 21046 3 March 1994

In reply refer to: 31010/EQU 17.9

EON Corporation 1941 Roland Clarke Place Reston, VA 22091

Attention: Mr. Stephen Kiely, V.P.

Re: Request for withholding from public disclosure certain material submitted

pursuant to an application for Type Acceptance.

FCC IDs: JLM002TX and JLM002RFM

Gentlemen:

Your letters dated February 16, 1994 request that the theory of operation, block diagrams, list of active devices, alignment procedures, technical specifications and schematics be withheld from public disclosure. This request is made under the provisions of Section 0.457(d) of the Commission's Rules, and Section 552(b)(4) of the Freedom of Information Act. These sections authorize withholding from public inspection materials which would be privileged as a matter of law if retained by the person submitting them, and materials which would not customarily be released to the public by that person.

We accept your statement that the material for which confidentiality is requested falls within the scope of Section 552(b)(4) as trade secrets. Under the provisions of Section 0.457(d), the specified material will not be routinely available for public inspection.

Sincerely,

Julius P. Knapp Chief, Authorization and Evaluation Division

Enclosure 2 FCC Forms 731A

CC.

M. Flom Associates Inc 3356 N. San Marcos Place, #107 Chandler, AZ 85224-1571

FC:mtb

FFC JK C - ""



FEDERAL COMMUNICATIONS COMMISSION Authorization and Evaluation Division 7435 Oakland Mills Road Columbia, MD 21046 September 8, 1994

In reply refer to: 31010/EQU 17.9

EON Corporation 1941 Roland Clarke Place Reston, VA 22091-1405

Attention:

Lauren Battaglia

Re:

Request for withholding from public disclosure certain material

submitted pursuant to an application for type acceptance.

FCC ID: JLM003TX and JLM003RFM

Gentlemen:

Your letters dated July 6, 1994, request that the theory of operation, block diagrams, list of active devices, alignment procedures, technical specifications and schematics submitted with the application for type acceptance be withheld from public disclosure. This request is made under the provisions of Section 0.457(d) of the Commission's Rules, and Section 552(b)(4) of the Freedom of Information Act. These sections authorize withholding from public inspection materials which would be privileged as a matter of law if retained by the person submitting them, and materials which would not customarily be released to the public by that person.

We accept your statement that the material for which confidentiality is requested falls within the scope of Section 552(b)(4) as trade secrets. Under the provisions of Section 0.457(d), the specified material will not be routinely available for public inspection.

Sincerely.

Julius P. Knapp Chief, Authorization and Evaluation Division

Mail to:
M. Flom Associates Inc
3356 N San Marcos PI, #107
Chandler, AZ 95224-1571

FFC:me

FFC

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Nome Mortgage Londor Birectory Real-Time Mortgage Bates Hational Average Bates Interest Bate Trends Mortgage Calculators Historical Mortgage Indexes Mortgage Vocabulary Mortgage Library Mortgage News Nome Buyer's Guide Neal Estate Directory Decommended Books Deal Estate Library Contact Us

Historical ARM Indices

Date	5 year Treasury Security
January, 1995	7.76
February, 1995	7.37
March, 1995	7.05
April, 1995	6.86
May, 1995	6.41
June, 1995	5.93
July, 1995	6.01
August, 1995	6.24
September, 1995	6.00
October, 1995	5.86
November, 1995	5.69
December, 1995	5.51
January, 1996	5.36
February, 1996	5.38
March, 1996	5.97
April, 1996	6.30
May, 1996	6.48
June, 1996	6.69
July, 1996	6.64
August, 1996	6.64
September, 1996	6.60
October, 1996	6.27
November, 1996	5.97
December, 1996	6.07
January, 1997	6.33
February, 1997	6.20
March, 1997	6.54
April, 1997	6.76
May, 1997	6.57
June, 1997	6.38

July, 1997	6.12
August, 1997	6.16
September, 1997	6.11
October, 1997	5.93
November, 1997	5.80
December, 1997	5.77
January, 1998	5.42
February, 1998	5.49
March, 1998	5.61
April, 1998	5.61
May, 1998	5.63
June, 1998	5.52
July, 1998	5.46
August, 1998	5.27
September, 1998	4.62

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RIFLGFCY05 N.M:

R.*:Rate

R.I.*: Rate of interest in money and capital markets

R.I.F.*:Federal Reserve System

R.I.F.L.:Long-term or capital market

R.I.F.L.G.:Government securities

R.I.F.L.G.F.: Federal

R.I.F.L.G.F.C.*: Constant maturity

R.I.F.L.G.F.C.Y05.:Five-year

_N.:Not seasonally adjusted

.M:Monthly

YIELDS ON TREASURY SECURITIES AT CONSTANT, FIXED MATURITY ARE CONSTRUCTED BY THE TREASURY DEPARTMENT, BASED ON THE MOST ACTIVELY TRADED MARKETABLE TREASURY SECURITIES. YIELDS ON THESE ISSUES ARE BASED ON COMPOSITE QUOTES REPORTED BY U.S. GOVERNMENT SECURITIES DEALERS TO THE FEDERAL RESERVE BANK OF NEW YORK. TO OBTAIN THE CONSTANT MATURITY YIELDS, PERSONNEL AT TREASURY CONSTRUCT A YIELD CURVE EACH BUSINESS DAY AND YIELD VALUES ARE THEN READ FROM THE CURVE AT FIXED MATURITIES.

	tcm5y
04/1953 05/1953 06/1953 07/1953 08/1953 10/1953 11/1953 11/1953 12/1954 02/1954 03/1954 04/1954 05/1954 06/1954 07/1954 10/1954 11/1954 11/1955 01/1956 01/1956 01/1956	2.62 2.87 2.87 2.75 2.80 2.75 2.42 2.31 2.42 2.32 2.43 2.31 1.92 1.92 2.09 1.92 2.33 2.55 2.55 2.85 2.85 2.85 2.85 2.85 2.85
05/1956 06/1956 07/1956	2.97 3.12

05/1962 06/1962 07/1962 08/1962 10/1962 11/1962 11/1963 02/1963 03/1963 04/1963 05/1963 05/1963 06/1963 07/1963 10/1963 11/1963 11/1963 11/1963 01/1964 02/1964	3.66 3.64 3.80 3.71 3.70 3.64 3.56 3.58 3.66 3.74 3.72 3.81 3.89 3.89 3.96 4.01 4.07 4.03 4.14
03/1964 04/1964 05/1964 06/1964 07/1964 08/1964 09/1964 11/1964 11/1964 12/1965 03/1965 04/1965 05/1965 06/1965 06/1965 07/1965 10/1965 11/1965 11/1965 11/1966 02/1966 03/1966 03/1966	4.15 4.05 4.02 4.03 4.05 4.08 4.09 4.15 4.15 4.15 4.15 4.25 4.34 4.42 4.48 4.92 4.83
05/1966 06/1966 07/1966 08/1966 09/1966 10/1966 11/1966 01/1967 02/1967 03/1967 04/1967 05/1967 07/1967 07/1967 09/1967 10/1967 11/1967 12/1967 01/1968	4.89 4.97 5.17 5.50 5.50 5.27 5.36 5.00 4.74 4.51 4.55 5.23 5.23 5.40 5.75 5.75 5.75

05/1972 5.85 06/1972 5.91 07/1972 5.97 08/1972 6.02 09/1972 6.25 10/1972 6.18 11/1972 6.12 12/1972 6.16 01/1973 6.34 02/1973 6.60 03/1973 6.80 04/1973 6.67 05/1973 6.80
--

05/1985	10.34
	9.60
06/1985 07/1985	9.70
08/1985	9.81
09/1985	9.81
10/1985	9.69
11/1985	9.28
12/1985	8.73
12/1985 01/1986	8.68
02/1986	8.34
03/1986	7.46
03/1986 04/1986	7.05
05/1986	7.52
06/1986	7.64
05/1986 06/1986 07/1986	7.06
08/1986	6.80
08/1986 09/1986	6.92
10/1986	6.83
11/1986 12/1986	6.76
12/1986	6.67
01/1987	6.64
02/1987 03/1987	6.79
03/1987	6.79
04/1987	7.57
05/1987 06/1987	8.26
06/198/	8.02
07/1987 08/1987 09/1987	8.01 8.32
09/1987	8.32 8.94
10/1987	9.08
11/1987	8.35
12/1987	8.45
01/1988	8.18
02/1988	7.71
03/1988	7.83
04/1988 05/1988	8.19
05/1988	8.58
06/1988 07/1988	8.49
07/1988	8.66
08/1988	8.94
09/1988 10/1988	8.69
10/1988	8.51
11/1988	8.79 9.09
12/1988 01/1989	
01/1909	
02/1989 03/1989 04/1989	9.27 9.51
04/1989	9.30
05/1989	8.91
05/1989 06/1989	8.29
07/1989	7.83
08/1989 09/1989	8.09
09/1989	8.17
10/1989	7.97
11/1989	7.81
12/1989	7.75
01/1990	8.12
02/1990	8.42
03/1990	8.60
04/1990 05/1990	8.77
05/1990	8.74
06/1990	8.43 8.33
07/1990 08/1990	8.33
09/1990	8.51
10/1990	8.33
11/1990	8.02
12/1990	7.73
01/1991	7.70

07/1991 08/1991 10/1991 11/1991 11/1991 12/1991 01/1992 02/1992 03/1992 04/1992 05/1992 07/1992 07/1992 01/1993 02/1993 02/1993 03/1993 04/1993 02/1993 03/1993 04/1993 01/1993 01/1993 01/1993 01/1994 01/1994 01/1994 01/1994 01/1994 01/1994 01/1994 01/1994 01/1994 01/1994 01/1994 01/1995 01/1995 01/1995 01/1995 01/1995 01/1996 02/1996	77776666666666655555666555555555555555
09/1995 10/1995 11/1995 12/1995 01/1996 02/1996 03/1996 04/1996 05/1996 06/1996 07/1996 08/1996 09/1996	6.00 5.86 5.69 5.51 5.36

11/1996	5.97
12/1996	6.07
01/1997	6.33
02/1997	6.20
03/1997	6.54
04/1997	6.76
05/1997	6.57
06/1997	6.38
07/1997	6.12
08/1997	6.16
09/1997	6.11
10/1997	5.93
11/1997	5.80
12/1997	5.77
01/1998	5.42
02/1998	5.49
03/1998	5.61
04/1998	5.61
05/1998	5.63
06/1998	5.52
07/1998	5.46
08/1998	5.27
09/1998	4.62

RIFLGFCY10 N.M:

- R.*:Rate
- R.I.*: Rate of interest in money and capital markets
- R.I.F.*:Federal Reserve System
- R.I.F.L.:Long-term or capital market
- R.I.F.L.G.: Government securities
- R.I.F.L.G.F.: Federal
- R.I.F.L.G.F.C.*: Constant maturity
- R.I.F.L.G.F.C.Y10.:Ten-year
- N.: Not seasonally adjusted

tcm10y

.M:Monthly

YIELDS ON TREASURY SECURITIES AT CONSTANT, FIXED MATURITY ARE CONSTRUCTED BY THE TREASURY DEPARTMENT, BASED ON THE MOST ACTIVELY TRADED MARKETABLE TREASURY SECURITIES. YIELDS ON THESE ISSUES ARE BASED ON COMPOSITE QUOTES REPORTED BY U.S. GOVERNMENT SECURITIES DEALERS TO THE FEDERAL RESERVE BANK OF NEW YORK. TO OBTAIN THE CONSTANT MATURITY YIELDS, PERSONNEL AT TREASURY CONSTRUCT A YIELD CURVE EACH BUSINESS DAY AND YIELD VALUES ARE THEN READ FROM THE CURVE AT FIXED MATURITIES.

	ccmioy
04/1953	2.83
05/1953	3.05
06/1953	3.11
07/1953	
08/1953	2.93 2.95
08/1953 09/1953	2.87
10/1953	2.66
10/1953	2.66
11/1953	2.87 2.66 2.68 2.59
12/1953 01/1954	2.59
01/1954	2.59 2.48 2.47
02/1954	2.47
03/1954	2.37
04/1954 05/1954	2.48 2.47 2.37 2.29 2.37 2.38
05/1954	2.37
06/1954	2.38
07/1954	2.30
08/1954	2.36
08/1954 09/1954	2.38
10/1954	2.43
11/1954	2.48
12/1954	2.51
12/1954 01/1955 02/1955	2.37 2.38 2.30 2.36 2.38 2.43 2.48 2.51 2.61 2.65 2.75 2.76 2.78
02/1955	2.65
03/1955	2.68
04/1955	2.75
04/1955 05/1955 06/1955	2 76
06/1955	2.70
07/1955	2.90
08/1955	2.68 2.75 2.76 2.78 2.90 2.97
08/1955 09/1955 10/1955	2.97 2.97
10/1955	2.88
11/1955	2.88 2.89
12/1955	2.05
12/1955 01/1956 02/1956	2.96 2.90 2.84
01/1956	2.90
02/1956	2.96 2.90 2.84 2.96
03/1956	2.96
04/1956 05/1956 06/1956	3.18 3.07 3.00
05/1956	3.07
06/1956	3.00
07/1956	3.11

08/1956 09/1956 10/1956 11/1956 12/1956 01/1957 02/1957 03/1957 04/1957 05/1957 07/1957 07/1957 10/1957 10/1957 11/1957 11/1957 11/1957 01/1958 02/1958 03/1958 04/1958 05/1958 06/1958 07/1958 10/1958 11/1958 11/1958	3.33 3.38 3.34 3.49 3.59 3.46 3.48 3.60 3.93 3.92 3.97 3.72 3.97 3.72 3.97 3.72 3.97 3.74 3.80 3.80 3.80 3.80 3.93
03/1958	2.98
04/1958	2.88
05/1958	2.92
06/1958	2.97
07/1958	3.20
08/1958	3.54
09/1958	3.76
10/1958	3.80
11/1958	3.74

10/1967 5.48 11/1967 5.75 12/1967 5.70 01/1968 5.53
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05/1985	10.85
06/1985	10.16
07/1985	10.31
08/1985	10.33
09/1985	10.37
10/1985	10.24
11/1985	9.78
12/1985	9.26
01/1986	9.19
03/1986	8.70
04/1986	7.71
05/1986	7.80
05/1986	7.71
06/1986	7.80
07/1986	7.17
10/1986	7.45
10/1986	7.43
11/1986	7.25
11/1986	7.11
12/1987	7.08
02/1987	7.25
03/1987	8.02
05/1987 06/1987 07/1987 08/1987 09/1987 10/1987 11/1987 12/1988 02/1988 03/1988 05/1988 05/1988 07/1988 08/1988 09/1988 10/1988 11/1988 11/1988 12/1988 01/1989 02/1989 03/1989 04/1989 05/1989	8.61 8.40 8.45 8.76 9.42 9.52 8.86 8.99 8.67 8.72 9.06 9.26 8.98 8.99 9.11 9.17 9.13 8.86
06/1989	8.28
07/1989	8.02
08/1989	8.11
09/1989	8.19
10/1989	8.01
11/1989	7.87
12/1989	7.84
01/1990	8.21
03/1990	8.47
04/1990	8.59
05/1990	8.76
06/1990	8.48
07/1990	8.47
08/1990	8.75
10/1990	8.89
11/1990	8.72
12/1990	8.39
01/1991	8.09

02/1991 03/1991 04/1991 05/1991 06/1991 07/1991 08/1991 10/1991 11/1991 11/1991 01/1992 02/1992 03/1992 04/1992 05/1992 06/1992 07/1992 08/1992 10/1992 10/1992 11/1992 12/1993 02/1993 03/1993 04/1993	7.85 8.01 8.04 8.07 8.28 7.965 7.53 7.42 7.09 7.34 7.34 7.39 6.45 6.45 6.62 6.62 6.97
08/1992 09/1992 10/1992 11/1992 12/1992 01/1993	6.59 6.42 6.59 6.87 6.77 6.60 6.26

11/1996	6.20
12/1996	6.30
01/1997	6.58
02/1997	6.42
03/1997	6.69
04/1997	6.89
05/1997	6.71
06/1997	6.49
07/1997	6.22
08/1997	6.30
09/1997	6.21
10/1997	6.03
11/1997	5.88
12/1997	5.81
01/1998	5.54
02/1998	5.57
03/1998	5.6 5
04/1998	5.64
05/1998	5.65
06/1998	5.50
07/1998	5.46
08/1998	5.34
09/1998	4.81

CERTIFICATE OF SERVICE

I, Walt Steimel, Jr., an attorney with the law firm of Hunton & Williams, hereby certify that on November 25, 1998, the foregoing REPLY COMMENTS OF IVDS COALITION was served upon the Federal Communication Commission by hand delivery; and upon the following counsel by First Class U.S. Mail, postage paid.

Carl W. Northrop Christine M. Crowe PAUL, HASTINGS, JANOFSKY & WALKER LLP 1299 Pennsylvania Avenue, NW Tenth Floor Washington, DC 20004

LAW OFFICES OF STEPHEN KAFFEE Suite 700 733 Fifteenth Street, NW Washington, DC 20005

Law Office of LAUREN A. COLBY 10 E. Fourth Street PO Box 113 Frederick, MD 21705-0113

Richard S. Myers, President Community Teleplay, Inc. 1522 K Street, NW Suite 1100 Washington, DC 20005

Stanley I. Cohn 801 Compass Way, Suite 217 Annapolis, MD 21401-7813 Mark D. Schneider Thomas P. Van Wazer Sidley & Austin 1722 Eye Street, NW Washington, DC 20006

Stephen E. Coran Rini, Coran & Lancellotta, P.C. 1350 Connecticut Avenue, NW Suite 900 Washington, DC 20036

Don Lounibos, President ISTA 409 Mendocino Avenue, Suite C Santa Rosa, CA 95401-8513

William J. Franklin, Esq.
WILLIAM J. FRANKLIN, CHARTERED
1200 G Street, NW
Suite 800
Washington, DC 20005-3814

Richard L. Vega, Jr.
The Richard L. Vega Group
1245 West Fairbanks Avenue
Suite 380
Winter Park, Florida 32789-4878

Kingdon R. Hughes
The Forum at Central
Suite 115
2201 North Central Expressway
Richardson, TX 75080-2718

MKS Interactive, Inc. Cleveland, OH (not served, address not available)

Louis Martinez, President Radio Telecom and Technology, Inc. 17511 Santa Rosa Road Perris, CA 92570-7760 Peter Tannenwald Irwin, Campbell & Tannenwald, P.C. 1730 Rhode Island Avenue, NW Suite 200 Washington, DC 20036-3101 (Counsel for Radio Telecom and Technology, Inc.)

Sharon Kohn Assistant General Counsel RAND MCNALLY & COMPANY 8255 North Central Park Skokie, Illinois 60076

Jonathan L. Weiner
GOLDBERG, GODLES WIENER
& WRIGHT
1229 Nineteenth Street, NW
Washington, DC 20036
(Counsel for Rand McNally & Company)

Walter Steimel, Jr.

Attorney